

The Knowledge Bank at The Ohio State University

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Campus Notes

Foundry Conference

The Department of Industrial Engineering of the Ohio State University will sponsor a foundry conference and exhibit on April 5 and 6, 1934. The technical and practical discussion sessions will be a joint program of the University and a regional meeting of the American Foundrymen's Association.

J. H. Schneider, chairman of the conference committee, states that there will be an exhibit of equipment, materials, and castings of all kinds made by different companies. There are numerous lectures scheduled and moving and lantern slide pictures will be shown in connection with a number of them.

The displays, and lectures will have a distinct educational purpose and will prove to be of interest to the student body.

Mr. Schneider has prepared a splendid program and everything is being planned for a successful gathering and conference.

The Tentative Program

Thursday, April 5

10:00 a.m. Short Talks by

George W. Rightmire, President, Ohio State University.

E. A. Hitchcock, Dean, College of Engineering.

John Younger, Department of Industrial Engineering.

R. E. Kennedy, Technical Secretary, American Foundry Association.

1:00 p.m.

1. Economic Aspects of Fuels Used in the Foundry, by D. J. Demorest, Chairman, Department of Metallurgical Engineering.
2. The Heat Treatment of Steel Castings, by C. Smith, The Bonney-Floyd Company.
3. Demonstrating the Testing of Large Castings, (Engineering Experiment Station Laboratory).

Friday, April 6

9:30 a.m.

1. Insulating Refractories, by Dr. G. A. Bole, Engineering Experiment Station.
2. Some Important Factors in Preparation of Molding Sand. (Speaker to be announced.)
3. Some Talk on the subject of Cast Iron. (Speakers to be announced.)

1:00 p.m.

1. The Function of Slags in the Melting of Ferrous Metals, by W. J. McCaughey, Chairman, Department of Mineralogy.
2. Recent Developments in Malleable Cast Iron, by C. H. Lorig, Battelle Memorial Institute.
3. Some Talk on the Subject of Non-Ferrous Metals. (Speaker to be announced.)

6:30 p.m.

Dinner at Pomerene Hall, Ohio State University. (Speakers to be announced.)

Texnikoi To Award Plaque To Outstanding Freshman

The outstanding man of the freshman class of the College of Engineering is to be awarded a plaque by Texnikoi, senior Engineering Honorary. The freshmen will be graded largely on the basis of activities, but scholarship and personality will have a great deal to do with the final decision. Neither the selection of judges nor the time of making the award has been decided upon definitely as yet, but the time is tentatively set for the end of the spring



quarter.

The society's plans for the organization of chapters in other universities have been carried forward; letters having been written to officials at other colleges of engineering. It is still too early to have received definite answers, but the hopes of members of the Ohio chapter are high.

Engineers' Banquet

"An analytical mind, an adequate means of self expression, and an admirable personality, are the most important characteristics of a successful engineer." So spoke Dr. Karl Arnstein, honored guest at the All-Engineers' banquet held February 27th in the Pomerene Hall Refectory.

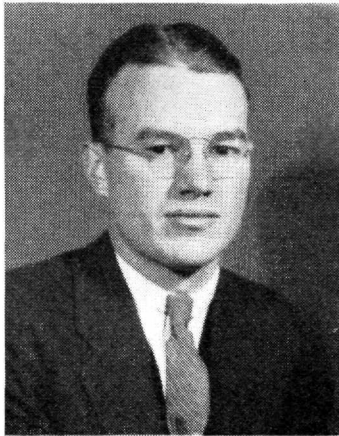
Dr. Arnstein is connected with the Goodyear Zeppelin Corporation and was the designer of the Macon, America's largest lighter-than-air ship. He devoted the greater portion of his address to the contrasting of the methods of education in America and Germany, showing the advantages of optional attendance to lectures. He also spoke of the future of lighter-than-aircraft transportation, forecasting a schedule service circumnavigating the globe in seventeen days. This transportation would be by airplanes and airships.

"Chief" Younger presided as toastmaster. Tau Beta Pi made their annual award of a slide; this time to Lawrence Prehn, E.E., who had the highest Freshman

point average in the Engineering college. The newly-organized "Engineers' Quartet" was well received.

A cup was awarded to the S.S.I.E. for the most harmonious group singing. The award, however, was slightly damaged when it fell into the hands of the over-exuberant members of the A.I.Ch.E.

Fred Vanosdall, president of the Engineers' council, announced the plans for Engineers' Day. He also stated that the Engineers' banquet was going to be an annual affair. Approximately 375 student engineers attended the dinner.



FRED L. VANOSDALL
President, Engineers' Council

Third Annual Welding Conference

The third annual Welding Conference on the campus was held in the Industrial Engineering building on February 28 and March 1. It was estimated that about four hundred persons attended the conference. Twenty-four exhibits and demonstrations of the latest developments in welding and cutting were conducted by manufacturers of welding equipment and supplies who sent representatives to the conference.

One of the most interesting exhibits was that conducted by the Air Reduction Sales Co. They demonstrated their modern "flame machine" for cutting and removing metal. It is possible to cut a piece of steel three inches thick with the apparatus. The metal is heated by the oxy-acetylene torch and then is burned away by the oxygen alone. The demonstrator cut out figures from the metals of various thickness. One of these, an elephant cut from one inch stock is now one of the prominent exhibits in the office of Mr. Rickley of the Industrial Engineering Department, who was chairman of the exposition. The company also showed how this principle is being applied to lathe work for the cutting of stock down to the rough size.

Another interesting exhibit was that of the General Electric Company. The exhibit demonstrates the use of the X-ray in detecting hidden flaws in metals. This method is now being used for testing the metal that is used in the construction of the great Boulder Dam.